840 Request for Quotation

Functional Group ID=**RQ**

Introduction:

This standard provides the format and establishes the data contents of a request for quotation transaction set. The request for quotation transaction set provides potential buyers with the ability to solicit price, delivery schedule, and other items from potential sellers of goods and services.

Notes:

For the purpose of Y2K compliancy, all dates will employ a bridging (windowing or 49/50 rule) application. Bridging is a technique in which a date of 00 - 49 is considered to reference the year 2000, and a year of 50 - 99 is considered to reference the 1900 year.

Heading:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Must Use	010	ST	Transaction Set Header	M	1		
Must Use	020	BQT	Beginning Segment for Request for Quotation	M	1		
	030	NTE	Note/Special Instruction	F	100		
Not Used	040	CUR	Currency	O	1		
	050	REF	Reference Numbers	O	12		
	060	PER	Administrative Communications Contact	O	3		
Not Used	070	TAX	Tax Reference	O	3		
	080	FOB	F.O.B. Related Instructions	O	1		
Not Used	090	CTP	Pricing Information	O	1		
Not Used	100	SSS	Special Services	O	25		
	110	CSH	Header Sale Condition	O	1		
Not Used	120	ITA	Allowance, Charge or Service	O	10		
Not Used	130	ITD	Terms of Sale/Deferred Terms of Sale	O	5		
Not Used	140	DIS	Discount Detail	O	20		
	150	DTM	Date/time/period	O	10		
	160	LDT	Lead Time	O	12		
Not Used	180	LIN	Item Identification	O	5		n1
Not Used	190	PID	Product/Item Description	O	200		
Not Used	200	MEA	Measurements	O	40		
	210	PWK	Paperwork	O	25		
	220	PKG	Marking, Packaging, Loading	O	200		
Not Used	230	TD1	Carrier Details (Quantity and Weight)	O	2		
Not Used	240	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		
Not Used	250	TD3	Carrier Details (Equipment)	O	12		

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Not Used	260	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5		
	270	MAN	Marks and Numbers	O	10		
Not Used	280	RRA	Required Response	O	25		
			LOOP ID - N9			1000	
	290	N9	Reference Number	O	1		
	300	MSG	Message Text	O	1000		
			LOOP ID - N1			200	
	310	N1	Name	O	1		
	320	N2	Additional Name Information	O	2		
	330	N3	Address Information	O	2		
	340	N4	Geographic Location	O	1		
Not Used	350	REF	Reference Numbers	O	12		
Not Used	360	PER	Administrative Communications Contact	O	3		
Not Used	370	FOB	F.O.B. Related Instructions	O	1		
Not Used	380	TD1	Carrier Details (Quantity and Weight)	O	2		
Not Used	390	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12		
Not Used	400	TD3	Carrier Details (Equipment)	O	12		
Not Used	410	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5		
Not Used	420	PKG	Marking, Packaging, Loading	O	200		
Not Used	430	RRA	Required Response	O	25		

Detail:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
			LOOP ID - PO1			100000	
Must Use	010	PO1	Purchase Order Baseline Item Data	M	1		
Not Used	020	CUR	Currency	O	1		
Not Used	030	PO3	Additional Item Detail	O	25		
Not Used	040	CTP	Pricing Information	O	1		
Not Used	049	MEA	Measurements	O	40		
			LOOP ID - PID			1000	
	050	PID	Product/Item Description	O	1		
	060	MEA	Measurements	O	10		
	070	PWK	Paperwork	O	25		
	080	PKG	Marking, Packaging, Loading	O	200		
	090	PO4	Item Physical Details	O	1		
	100	REF	Reference Numbers	O	12		
Not Used	110	PER	Administrative Communications Contact	O	3		
Not Used	120	SSS	Special Services	O	25		
Not Used	130	ITA	Allowance, Charge or Service	O	10		
Not Used	140	IT8	Conditions of Sale	O	1		
Not Used	150	ITD	Terms of Sale/Deferred Terms of Sale	O	2		
Not Used	160	DIS	Discount Detail	O	20		
Not Used	170	TAX	Tax Reference	O	3		

	180	FOB	F.O.B. Related Instructions	O	1	
Not Used	190	SDQ	Destination Quantity	O	50	
	200	DTM	Date/time/period	O	10	
	210	LDT	Lead Time	O	12	
	220	SCH	Line Item Schedule	O	104	n2
Not Used	230	FST	Forecast Schedule	O	>1	
Not Used	240	TD1	Carrier Details (Quantity and Weight)	O	1	
Not Used	250	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
Not Used	260	TD3	Carrier Details (Equipment)	O	12	
Not Used	270	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5	
	280	MAN	Marks and Numbers	O	10	
Not Used	290	RRA	Required Response	O	25	
			LOOP ID - SLN		1000	
Not Used	300	SLN	Subline Item Detail	O	1	
Not Used	310	PID	Product/Item Description	O	1000	
			LOOP ID - N9		1000	
	320	N9	Reference Number	O	1	
Not Used	330	MSG	Message Text	O	1000	
			LOOP ID - N1		200	
	340	N1	Name	O	1	
	350	N2	Additional Name Information	O	2	
	360	N3	Address Information	O	2	
	370	N4	Geographic Location	O	1	
Not Used	380	REF	Reference Numbers	O	12	
Not Used	390	PER	Administrative Communications Contact	O	3	
Not Used	400	FOB	F.O.B. Related Instructions	O	1	
Not Used	410	TD1	Carrier Details (Quantity and Weight)	O	2	
Not Used	420	TD5	Carrier Details (Routing Sequence/Transit Time)	O	12	
Not Used	430	TD3	Carrier Details (Equipment)	O	12	
Not Used	440	TD4	Carrier Details (Special Handling, or Hazardous Materials, or Both)	O	5	
Not Used	450	PKG	Marking, Packaging, Loading	O	200	
Not Used	460	RRA	Required Response	O	25	

Summary:

	Pos. No.	Seg. ID	Name	Req. Des.	Max.Use	Loop Repeat	Notes and Comments
Must Use	010	CTT	Transaction Totals	M	1		n3
Must Use	020	SE	Transaction Set Trailer	M	1		

Transaction Set Notes

1. If segment LIN is used, do not use LIN01.

2. The SCH segment is used to specify various quantities of items ordered that are to be scheduled. When

this segment is used the unit of measurement code (SCH02) should always be identical to the unit of measurement code in the associated PO1 segment (PO103) and the sum of values of quantity (SCH01) should always equal the quantity ordered (PO102) in the PO1 segment.

3. The number of line items (CTT01) is the accumulation of the number of PO1 segments. If used, hash total (CTT02) is the sum of the value of quantities ordered (PO102) for each PO1 segment.

Segment:	**ST** **Transaction Set Header**	
Position:	010	
Loop:		
Level:	Heading	
Usage:	Mandatory	
Max Use:	1	
Purpose:	To indicate the start of a transaction set and to assign a control number	
Syntax Notes:		
Semantic Notes:		
Comments:	1	The transaction set identifier (ST01) is intended for use by the translation routines of the interchange partners to select the appropriate transaction set definition (e.g., 810 selects the invoice transaction set).

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	ST01	143	**Transaction Set Identifier Code**	**M ID 3/3**
			Code uniquely identifying a Transaction Set	
			840 X12.7 Request for Quotation	
Must Use	ST02	329	**Transaction Set Control Number**	**M AN 4/9**
			Identifying control number assigned by the originator for a transaction set.	

Segment:	**BQT** Beginning Segment for Request for Quotation
Position:	020
Loop:	
Level:	Heading
Usage:	Mandatory
Max Use:	1
Purpose:	To indicate the beginning of a Request for Quotation Transaction Set and transmit identifying numbers and dates
Syntax Notes:	**1** If BQT05 is present, then BQT04 is required.
Semantic Notes:	
Comments:	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**BQT01**	**353**	**Transaction Set Purpose Code**	**M ID 2/2**

Code identifying purpose of transaction set

1. Use code 00 for all original transactions; code 01 when cancelling an electronic RFQ; code 02 when adding data to an RFQ; code 03 when deleting data from an RFQ; code 04 when changing data on an RFQ; code 07 when sending a duplicate RFQ.

2. If BQT01 is code 00, 02, 03, 04, or 07 then BQT04 and BQT05 are required.

3. If BQT01 is code 01 then BQT04 and BQT05 are not used.

00	Original
01	Cancellation
02	Add
03	Delete
04	Change
07	Duplicate

	Ref. Des.	Data Element	Name	Attributes
Must Use	**BQT02**	**586**	**Request for Quote Reference Number**	**M AN 1/45**

Number assigned by the purchaser to identify his request for quote

SF 18 Block 1.

	Ref. Des.	Data Element	Name	Attributes
Must Use	**BQT03**	**652**	**Request Quotation Control Date**	**M DT 6/6**

Date to be used for reference purposes in an RFQ and a response to RFQ.

1. SF 18 Block 2.

2. All dates specified herein employ the bridging (windowing or 49/50 rule) application.

	Ref. Des.	Data Element	Name	Attributes
	BQT04	**374**	**Date/Time Qualifier**	**C ID 3/3**

Code specifying type of date or time, or both date and time

Use code 106 for the date the quote is Required By.

Refer to 003010 Data Element Dictionary for acceptable code values.

| | **BQT05** | **373** | **Date** | **O** | **DT 6/6** |

Date (YYMMDD)

1. The date the quote is required to be received. See SF18 Block 10.

2. All dates specified herein employ the bridging (windowing or 49/50 rule) application.

| **Not Used** | **BQT06** | **92** | **Purchase Order Type Code** | **O** | **ID 2/2** |

Code specifying the type of Purchase Order

Refer to 003010 Data Element Dictionary for acceptable code values.

| **Not Used** | **BQT07** | **960** | **Request for Quote Type Code** | **O** | **ID 2/2** |

Code specifying the type of request for quote

Refer to 003010 Data Element Dictionary for acceptable code values.

Segment:	**NTE** Note/Special Instruction
Position:	030
Loop:	
Level:	Heading
Usage:	Floating
Max Use:	100
Purpose:	To transmit information in a free-form format, if necessary, for comment or special instruction
Syntax Notes:	
Semantic Notes:	
Comments:	1 The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the NTE segment should therefore be avoided, if at all possible, in an automated environment.
Notes:	*The NTE segment permits free-form information/data which, under ANSI X12 standard implementations, is not machine processable. The use of the "NTE" segment should therefore be avoided, if at all possible, in an automated environment.*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
	NTE01	**363**	**Note Reference Code**		**O ID 3/3**
			Code identifying the functional area or purpose for which the note applies		
			GEN Entire Transaction Set		
Must Use	**NTE02**	**3**	**Free Form Message**		**M AN 1/60**
			Free-form text		

Segment:	**REF** Reference Numbers	
Position:	050	
Loop:		
Level:	Heading	
Usage:	Optional	
Max Use:	12	
Purpose:	To specify identifying numbers.	
Syntax Notes:	**1** At least one of REF02 or REF03 is required.	
Semantic Notes:		
Comments:		
Notes:	*One iteration of REF01/02 is required in order to carry the Unique Tracking Number (UTN) for the transaction set.*	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	REF01	128	**Reference Number Qualifier**	M ID 2/2

Code qualifying the Reference Number.

Use code IL for the purchase request number, see Block 3 of SF 18; use code RQ for the requisition (MILSTRIP document) number, see Block 3 of SF 18; use code DF for a DFARS cite; use code FA for a FAR cite; use code TC for procedures, terms, and conditions different from the EC procedures, terms and conditions provided to all participating vendors; use code 65 for unique tracking number; use code ZZ for master solicitation cite. Code DS Block 4 of SF 18, is not used in GATEC project.

65	Total Order Cycle Number	
DF	Defense Federal Acquisition Regulations (DFAR)	
DS	Defense Priorities Allocation System (DPAS) Priority Rating	
FA	Federal Acquisition Regulations (FAR)	
IL	Internal Order Number	
RQ	Purchase Requisition No.	
TC	Vendor Terms	
ZZ	Mutually Defined	

	Ref. Des.	Data Element	Name	Attributes
Must Use	REF02	127	**Reference Number**	C AN 1/30

Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.

	Ref. Des.	Data Element	Name	Attributes
	REF03	352	**Description**	C AN 1/80

A free-form description to clarify the related data elements and their content

When REF01 is code TC, use REF03 to describe the source of the number carried in REF02.

Segment:	**PER** Administrative Communications Contact	
Position:	060	
Loop:		
Level:	Heading	
Usage:	Optional	
Max Use:	3	
Purpose:	To identify a person or office to whom administrative communications should be directed	
Syntax Notes:	1 If PER03 is present, then PER04 is required.	
Semantic Notes:		
Comments:		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	PER01	366	**Contact Function Code**	M ID 2/2

Code identifying the major duty or responsibility of the person or group named

SF 18 Block 5b.

    IC   Information Contact

	Ref. Des.	Data Element	Name	Attributes
Must Use	PER02	93	**Name**	O AN 1/35

Free-form name

	Ref. Des.	Data Element	Name	Attributes
Must Use	PER03	365	**Communication Number Qualifier**	O ID 2/2

Code identifying the type of communication number

Use any code, although code EM is preferred.

    EM   Electronic Mail
    FX   Facsimile
    TE   Telephone

	Ref. Des.	Data Element	Name	Attributes
	PER04	364	**Communication Number**	C AN 7/21

Complete communications number including country or area code when applicable

If the communications number is greater than 21 characters, repeat the PER segment to provide the remaining characters.

Segment:	**FOB** F.O.B. Related Instructions	
Position:	080	
Loop:		
Level:	Heading	
Usage:	Optional	
Max Use:	1	
Purpose:	To specify transportation instructions relating to shipment	
Syntax Notes:	1	If FOB03 is present, then FOB02 is required.
	2	If FOB04 is present, then FOB05 is required.
	3	If FOB07 is present, then FOB06 is required.
	4	If FOB08 is present, then FOB09 is required.
Semantic Notes:		
Comments:	1	FOB01 indicates which party will pay the carrier.
	2	FOB02 is the code specifying transportation responsibility location.
	3	FOB06 is the code specifying title passage location.
	4	FOB08 is the code specifying the point at which the risk of loss transfers. This may be different than the location specified in FOB02/FOB03 and FOB06/FOB07.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	FOB01	146	**Shipment Method of Payment**	**M**	**ID 2/2**

Code identifying payment terms for transportation charges

SF 18 Block 7.

	DF		Defined by Buyer and Seller		
Must Use	FOB02	309	**Location Qualifier**	**C**	**ID 1/2**

Code identifying type of location

Use code ZZ to qualify an "other" FOB point.

	DE	Destination (Shipping)
	OR	Origin (Shipping Point)
	ZZ	Mutually Defined

	FOB03	352	**Description**	**O**	**AN 1/80**

A free-form description to clarify the related data elements and their content

When FOB02 is code ZZ, use FOB03 to describe the "other" location.

Not Used	FOB04	334	**Transportation Terms Qualifier Code**	**O**	**ID 2/2**

Code identifying the source of the transportation terms

Refer to 003010 Data Element Dictionary for acceptable code values.

Not Used	FOB05	335	**Transportation Terms Code**	**C**	**ID 3/3**

Code identifying the trade terms which apply to the shipment transportation responsibility

Refer to 003010 Data Element Dictionary for acceptable code values.

| | **FOB06** | **309** | **Location Qualifier** | | **C** | **ID 1/2** |

Code identifying type of location

1. Inspection/acceptance point will be the same unless specified in FOB07.
2. Use code ZZ when the inspection and acceptance points will not be the same.

		DE	Destination (Shipping)
		OR	Origin (Shipping Point)
		ZZ	Mutually Defined

| | **FOB07** | **352** | **Description** | | **O** | **AN 1/80** |

A free-form description to clarify the related data elements and their content

If FOB06 is code ZZ, identify the location of the inspection and acceptance points.

| **Not Used** | **FOB08** | **54** | **Risk of Loss Qualifier** | | **O** | **ID 2/2** |

Code specifying where responsibility for risk of loss passes

Refer to 003010 Data Element Dictionary for acceptable code values.

| **Not Used** | **FOB09** | **352** | **Description** | | **C** | **AN 1/80** |

A free-form description to clarify the related data elements and their content

Segment:	**CSH** Header Sale Condition
Position:	110
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	1
Purpose:	To specify general conditions or requirements of the sale
Syntax Notes:	1 If CSH02 is present, then CSH03 is required.
	2 If CSH06 is present, then CSH07 is required.
Semantic Notes:	
Comments:	1 CSH04 is the account number to which the purchase amount is to be charged.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	**CSH01**	**563**	**Sales Requirement Code**	**O**	**ID 1/2**
			Code to identify a specific requirement or agreement of sale		
			Use code Z to indicate a small purchase, small business set-aside		
			Z Mutually Defined		
Not Used	**CSH02**	**564**	**Do-Not-Exceed Action Code**	**O**	**ID 1/1**
			Code indicating the action to be taken if the order amount exceeds the value of Do-Not-Exceed Amount (565)		
			Refer to 003010 Data Element Dictionary for acceptable code values.		
Not Used	**CSH03**	**565**	**Do-Not-Exceed Amount**	**C**	**N2 2/9**
			Maximum monetary amount value which the order must not exceed.		
Not Used	**CSH04**	**508**	**Account Number**	**O**	**AN 1/35**
			Account number assigned		
Not Used	**CSH05**	**596**	**Required Invoice Date**	**O**	**DT 6/6**
			Date specified by the sender to be shown on the invoice.		
Not Used	**CSH06**	**559**	**Agency Qualifier Code**	**O**	**ID 2/2**
			Code identifying the agency assigning the code values		
			Refer to 003010 Data Element Dictionary for acceptable code values.		
Not Used	**CSH07**	**560**	**Special Services Code**	**C**	**ID 2/10**
			Code identifying the special service		
			Refer to 003010 Data Element Dictionary for acceptable code values.		

		DTM Date/time/period
Segment:		

Position: 150
Loop:
Level: Heading
Usage: Optional
Max Use: 10
Purpose: To specify pertinent dates and times
Syntax Notes: 1 At least one of DTM02 or DTM03 is required.
Semantic Notes:
Comments:
Notes: *Required delivery date will be provided in the segment as an actual date or in the LDT segment as a set number of calendar days after receipt of order. If the latter is used, omit the segment.*

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
Must Use	**DTM01**	**374**	**Date/Time Qualifier**		**M ID 3/3**

Code specifying type of date or time, or both date and time

1. Use code 002 when the date in DTM02 is the "deliver by" date, and applies to the whole order unless the delivery date is defined in segment LDT.
2. If the delivery date applies to the line item level, it will be specified in the DTM or SCH segment in Table 2, unless the delivery is defined in the LDT segment in Table 2.
3. Code 002 applies to SF 18 Block 6.

    002   Delivery Requested

	DTM02	**373**	**Date**		**C DT 6/6**

Date (YYMMDD)

All dates specified herein employ the bridging (windowing or 49/50 rule) application.

	DTM03	**337**	**Time**		**C TM 4/4**

Time expressed in 24-hour clock time (HHMM) (Time range: 0000 through 2359)

	DTM04	**623**	**Time Code**		**O ID 2/2**

Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow

If DTM03 is used, DTM04 is REQUIRED.

    CD   Central Daylight Time
    CS   Central Standard Time
    CT   Central Time

ED	Eastern Daylight Time
ES	Eastern Standard Time
ET	Eastern Time
GM	Greenwich Mean Time
LT	Local Time
MD	Mountain Daylight Time
MS	Mountain Standard Time
MT	Mountain Time
PD	Pacific Daylight Time
PS	Pacific Standard Time
PT	Pacific Time

Segment:	**LDT** Lead Time	
Position:	160	
Loop:		
Level:	Heading	
Usage:	Optional	
Max Use:	12	
Purpose:	To specify lead time for availability of products and services	
Syntax Notes:		
Semantic Notes:		
Comments:	**1** LDT04 is the effective date of lead time information.	
Notes:	*Required delivery date will be provided in this segment as a set number of calendar days after receipt of order, or in the DTM segment as an actual date. If the DTM segment is used, omit this segment.*	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	LDT01	345	**Lead Time Code**	M ID 2/2
			Code indicating the time range	
			AF From date of PO receipt to delivery	
Must Use	LDT02	380	**Quantity**	M R 1/10
			Numeric value of quantity	
Must Use	LDT03	344	**Unit of Time Period or Interval**	M ID 2/2
			Code indicating the time period or interval	
			DA Calendar Days	
Not Used	LDT04	373	**Date**	O DT 6/6
			Date (YYMMDD)	

Segment:	**PWK** Paperwork	
Position:	210	
Loop:		
Level:	Heading	
Usage:	Optional	
Max Use:	25	
Purpose:	To specify the type and transmission of paperwork relating to a product, order or report.	
Syntax Notes:	1 If either PWK05 or PWK06 is present, then the other is required.	
Semantic Notes:		
Comments:	1 PWK05 and PWK06 may be used to identify the addressee by a code number.	
	2 PWK07 may be used to indicate special information to be shown on the specified report.	
	3 PWK08 may be used to indicate action pertaining to a report.	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	PWK01	755	**Report Type Code**	M ID 2/2

Code indicating the title and/or contents of a document or report.

Use when additional information will have to accompany the shipment, follow under separate cover, be provided electronically, or provided in the response to the RFQ transaction set.

CP	Certificate of Compliance (Material Certification)
MR	Material Inspection and Receiving Report
MS	Material Safety Data Sheet
PD	Proof of Delivery
SN	Shipping Notice

	Ref. Des.	Data Element	Name	Attributes
Must Use	PWK02	756	**Report Transmission Code**	M ID 2/2

Code defining timing and transmission method by which reports are to be sent.

While any code can be used, code EL is preferred when response can be made electronically, using one of the transaction sets specifically designed for the purpose, and made part of the RFQ system. All paperwork can be satisfied by forwarding the data by mail, when code BM is used.

BM	By Mail
EL	Electronically Only
WS	With Shipment (With Package)

	Ref. Des.	Data Element	Name	Attributes
	PWK03	757	**Report Copies Needed**	O N0 1/2

The number of copies of a report that should be sent to the addressee

	Ref. Des.	Data Element	Name	Attributes
Not Used	PWK04	98	**Entity Identifier Code**	O ID 2/2

Code identifying an organizational entity or a physical location.

			Refer to 003010 Data Element Dictionary for acceptable code values.		
Not Used	**PWK05**	**66**	**Identification Code Qualifier**	**C**	**ID 1/2**
			Code designating the system/method of code structure used for Identification Code (67)		
			Refer to 003010 Data Element Dictionary for acceptable code values.		
Not Used	**PWK06**	**67**	**Identification Code**	**C**	**ID 2/17**
			Code identifying a party.		
	PWK07	**352**	**Description**	**O**	**AN 1/80**
			A free-form description to clarify the related data elements and their content		
Not Used	**PWK08**	**704**	**Paperwork/Report Action Code**	**O**	**ID 1/2**
			Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required		
			Refer to 003010 Data Element Dictionary for acceptable code values.		

Segment:	**PKG** Marking, Packaging, Loading	
Position:	220	
Loop:		
Level:	Heading	
Usage:	Optional	
Max Use:	200	
Purpose:	To describe marking, packaging, loading, and unloading requirements	
Syntax Notes:	1	If PKG04 is present, then PKG03 is required.
	2	At least one of PKG04 or PKG05 is required.
Semantic Notes:		
Comments:	1	Use the MEA (Measurements) Segment to define dimensions, tolerances, weights, counts, physical restrictions, etc.
	2	When PKG01 is "F", PKG04 is not used. PKG01 relates only to PKG04 and PKG05.
	3	Use PKG03 to indicate the organization that publishes the code list being referred to.
	4	PKG04 should be used for industry-specific packaging description codes.
	5	Special marking or tagging data can be given in PKG05 (description).
Notes:	*1. A table might be required to convert DoD to ASC X12 packaging codes.*	
	2. Use this segment if the information applies to the entire order. Use the PKG segment at the detail level when the information applies to the line item level.	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**PKG01**	**349**	**Item Description Type**	**M ID 1/1**

Code indicating the format of a description

F		Free-form
S		Structured (From Industry Code List)

	Ref. Des.	Data Element	Name	Attributes
	PKG02	**753**	**Packaging Characteristic Code**	**O ID 1/5**

Code specifying the marking, packaging, loading and related characteristics being described

1. Use any code.
2. Use code 35 for Unitizing; code 36 for Pack/Preservation; and code 37 for packing.

Refer to 003010 Data Element Dictionary for acceptable code values.

	Ref. Des.	Data Element	Name	Attributes
	PKG03	**559**	**Agency Qualifier Code**	**C ID 2/2**

Code identifying the agency assigning the code values

DD		Department of Defense
		Responsible for Military Specification

	Ref. Des.	Data Element	Name	Attributes
	PKG04	**754**	**Packaging Description Code**	**C ID 1/7**

A code from an industry code list which provides specific data about the marking, packaging or loading and unloading of a product

PKG05   **352**   **Description**   **C   AN 1/80**

A free-form description to clarify the related data elements and their content

Segment:	**MAN** **Marks and Numbers**
Position:	270
Loop:	
Level:	Heading
Usage:	Optional
Max Use:	10
Purpose:	To indicate identifying marks and numbers for shipping containers
Syntax Notes:	
Semantic Notes:	
Comments:	
Notes:	*Use this segment if the information applies to the entire order. Use the MAN segment at the detail level when the information applies to the line item level.*

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	MAN01	88	**Marks and Numbers Qualifier**	**M ID 1/2**

Code specifying the application or source of Marks and Numbers (87)

  S   Entire Shipment

	Ref. Des.	Data Element	Name	Attributes
Must Use	MAN02	87	**Marks and Numbers**	**M AN 1/45**

Marks and numbers used to identify a shipment or parts of a shipment

1. Use to carry additional mark for data that cannot be carried in the N1 - N4 segments.
2. SF 18 Block 9.

Segment:	**N9** Reference Number		
Position:	290		
Loop:	N9 Optional		
Level:	Heading		
Usage:	Optional		
Max Use:	1		
Purpose:	To transmit identifying numbers and descriptive information as specified by the reference number qualifier		
Syntax Notes:	**1** At least one of N902 or N903 is required.		
Semantic Notes:			
Comments:			

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**N901**	**128**	**Reference Number Qualifier**	**M ID 2/2**

Code qualifying the Reference Number.

1. When N901 is code CJ, carry the clause number in N902 and the clause date in N904.
2. If the clause source is other than the FAR, indicate the source in N903.
3. Use code ZZ for representations and certifications. If code ZZ is used, insert the number of the certification or representation required to be made in any quote in response to this RFQ. Explanations can be carried in N903.

CJ	Clause Number
ZZ	Mutually Defined

	Ref. Des.	Data Element	Name	Attributes
	N902	**127**	**Reference Number**	**C AN 1/30**

Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.

	N903	**369**	**Free-form Description**	**C AN 1/45**

Free-form descriptive text

	N904	**373**	**Date**	**O DT 6/6**

Date (YYMMDD)

1. Required when N901 is code CJ.

2. All dates specified herein employ the bridging (windowing or 49/50 rule) application.

Not Used	**N905**	**337**	**Time**	**O TM 4/4**

Time expressed in 24-hour clock time (HHMM) (Time range: 0000 through 2359)

Segment:	**MSG** Message Text	
Position:	300	
Loop:	N9 Optional	
Level:	Heading	
Usage:	Optional	
Max Use:	1000	
Purpose:	To provide a free form format that would allow the transmission of text information.	
Syntax Notes:		
Semantic Notes:		
Comments:	1	MSG02 is not related to the specific characteristics of a printer, but identifies top of page, advance a line, etc.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	MSG01	933	**Free-Form Message Text**	**M AN 1/264**
			Free-form message text	
Not Used	MSG02	934	**Printer Carriage Control Code**	**O ID 2/2**
			A field to be used for the control of the line feed of the receiving printer	
			Refer to 003010 Data Element Dictionary for acceptable code values.	

Segment:	**N1** Name	
Position:	310	
Loop:	N1	Optional
Level:	Heading	
Usage:	Optional	
Max Use:	1	
Purpose:	To identify a party by type of organization, name, and code	
Syntax Notes:	1	At least one of N102 or N103 is required.
	2	If either N103 or N104 is present, then the other is required.
Semantic Notes:		
Comments:	1	This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
Notes:	*Addresses are typically defined using N101, N103 and N104. N102 and N2-N4 should be used when the ship to addressee cannot be described with a zip code.*	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	**N101**	**98**	**Entity Identifier Code**	**M**	**ID 2/2**
			Code identifying an organizational entity or a physical location.		
			SF 18 Block 9.		
			ST Ship To		
	N102	**93**	**Name**	**C**	**AN 1/35**
			Free-form name		
	N103	**66**	**Identification Code Qualifier**	**C**	**ID 1/2**
			Code designating the system/method of code structure used for Identification Code (67)		
			16 ZIP Code		
	N104	**67**	**Identification Code**	**C**	**ID 2/17**
			Code identifying a party.		

Segment:	**N2** Additional Name Information	
Position:	320	
Loop:	N1	Optional
Level:	Heading	
Usage:	Optional	
Max Use:	2	
Purpose:	To specify additional names or those longer than 35 characters in length	
Syntax Notes:		
Semantic Notes:		
Comments:		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	N201	93	**Name**	**M AN 1/35**
			Free-form name	
	N202	93	**Name**	**O AN 1/35**
			Free-form name	

Segment:	**N3** Address Information		
Position:	330		
Loop:	N1 Optional		
Level:	Heading		
Usage:	Optional		
Max Use:	2		
Purpose:	To specify the location of the named party		
Syntax Notes:			
Semantic Notes:			
Comments:			

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	N301	166	**Address Information**	**M AN 1/35**
			Address information	
	N302	166	**Address Information**	**O AN 1/35**
			Address information	

Segment:	**N4** Geographic Location
Position:	340
Loop:	N1 Optional
Level:	Heading
Usage:	Optional
Max Use:	1
Purpose:	To specify the geographic place of the named party
Syntax Notes:	1 At least one of N401 or N405 is required.
	2 If N401 is present, then N402 is required.
	3 If either N405 or N406 is present, then the other is required.
Semantic Notes:	
Comments:	1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
	2 N402 is required only if city name (N401) is in the USA or Canada.

Data Element Summary

	Ref. Des.	Data Element	Name		Attributes
	N401	**19**	**City Name**	**C**	**AN 2/19**
			Free-form text for city name		
	N402	**156**	**State or Province Code**	**C**	**ID 2/2**
			Code (Standard State/Province) as defined by appropriate government agency		
	N403	**116**	**Postal Code**	**O**	**ID 4/9**
			Code defining international postal zone code excluding punctuation and blanks (zip code for United States)		
			Use only when the "ship to" address has no zip code but may have another type of postal code (e.g., in a foreign country).		
	N404	**26**	**Country Code**	**O**	**ID 2/2**
			Code identifying the country		
			A translation table will be required to convert those standard codes used by the DoD, as contained in DoD Manual 5000.12-M, to those used in the X12 Standards.		
Not Used	**N405**	**309**	**Location Qualifier**	**C**	**ID 1/2**
			Code identifying type of location		
			Refer to 003010 Data Element Dictionary for acceptable code values.		
Not Used	**N406**	**310**	**Location Identifier**	**C**	**AN 1/25**
			Code which identifies a specific location		

Segment:	**PO1** Purchase Order Baseline Item Data
Position:	010
Loop:	PO1 Mandatory
Level:	Detail
Usage:	Mandatory
Max Use:	1
Purpose:	To specify basic and most frequently used purchase order line item data
Syntax Notes:	1 If PO105 is present, then PO104 is required.
	2 If PO106 is present, then PO107 is required.
	3 If PO108 is present, then PO109 is required.
	4 If PO110 is present, then PO111 is required.
	5 If PO112 is present, then PO113 is required.
	6 If PO114 is present, then PO115 is required.
	7 If PO116 is present, then PO117 is required.
	8 If PO118 is present, then PO119 is required.
	9 If PO120 is present, then PO121 is required.
	10 If PO122 is present, then PO123 is required.
	11 If PO124 is present, then PO125 is required.
Semantic Notes:	
Comments:	1 See the Data Dictionary for a complete list of ID's.
	2 PO101 is the line item identification.
	3 PO106 through PO125 provide for ten (10) different product/service ID's per each item. For example: Case, Color, Drawing No., UPC No., ISBN No., Model No., SKU.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
	PO101	**350**	**Assigned Identification**	**O**	**AN 1/6**
			Alphanumeric characters assigned for differentiation within a transaction set		
			The line item number as assigned by the buying activity, SF 18 Block 12a.		
Must Use	**PO102**	**330**	**Quantity Ordered**	**M**	**R 1/9**
			Quantity ordered		
			SF 18 Block 12c.		
Must Use	**PO103**	**355**	**Unit or Basis for Measurement Code**	**M**	**ID 2/2**
			Code identifying the basic unit of measurement.		
			DoD uses DoD Manual 5000.12-M for unit of measurement codes Translation of some codes may be required. See SF 18 Block 12d.		
			Refer to 003010 Data Element Dictionary for acceptable code values.		
Not Used	**PO104**	**212**	**Unit Price**	**C**	**R 1/14**
			Price per unit of product, service, commodity, etc.		
Not Used	**PO105**	**639**	**Basis of Unit Price Code**	**O**	**ID 2/2**

Code identifying the type of unit price for an item

Refer to 003010 Data Element Dictionary for acceptable code values.

PO106	**235**	**Product/Service ID Qualifier**		**O**	**ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

1. SF 18 Block 12b.
2. Any code may be used in DE235; those listed here are the ones most commonly expected.
3. When PO106/07 and subsequent pairs are used the first qualifier in PO106 will always contain code FT, the Federal Supply Classification and the second qualifier in PO108 will always contain the code SI.

FS	National Stock Number
FT	Federal Supply Classification
MF	Manufacturer
MG	Manufacturer's Part Number
SI	Standard Industrial Classification Code
SV	Service Rendered
SW	Stock Number

PO107	**234**	**Product/Service ID**		**C**	**AN 1/30**

Identifying number for a product or service

PO108	**235**	**Product/Service ID Qualifier**		**O**	**ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

PO108 through PO125 will be used as required, to carry additional information regarding the product or service being described in the particular iteration of the PO1 loop.

Refer to 003010 Data Element Dictionary for acceptable code values.

PO109	**234**	**Product/Service ID**		**C**	**AN 1/30**

Identifying number for a product or service

PO110	**235**	**Product/Service ID Qualifier**		**O**	**ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Refer to 003010 Data Element Dictionary for acceptable code values.

PO111	**234**	**Product/Service ID**		**C**	**AN 1/30**

Identifying number for a product or service

PO112	**235**	**Product/Service ID Qualifier**		**O**	**ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Refer to 003010 Data Element Dictionary for acceptable code values.

PO113	**234**	**Product/Service ID**		**C**	**AN 1/30**

Identifying number for a product or service

PO114	**235**	**Product/Service ID Qualifier**		**O**	**ID 2/2**

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Refer to 003010 Data Element Dictionary for acceptable code values.

| **PO115** | **234** | **Product/Service ID** | **C** | **AN 1/30** |

Identifying number for a product or service

| **PO116** | **235** | **Product/Service ID Qualifier** | **O** | **ID 2/2** |

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Refer to 003010 Data Element Dictionary for acceptable code values.

| **PO117** | **234** | **Product/Service ID** | **C** | **AN 1/30** |

Identifying number for a product or service

| **PO118** | **235** | **Product/Service ID Qualifier** | **O** | **ID 2/2** |

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Refer to 003010 Data Element Dictionary for acceptable code values.

| **PO119** | **234** | **Product/Service ID** | **C** | **AN 1/30** |

Identifying number for a product or service

| **PO120** | **235** | **Product/Service ID Qualifier** | **O** | **ID 2/2** |

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Refer to 003010 Data Element Dictionary for acceptable code values.

| **PO121** | **234** | **Product/Service ID** | **C** | **AN 1/30** |

Identifying number for a product or service

| **PO122** | **235** | **Product/Service ID Qualifier** | **O** | **ID 2/2** |

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Refer to 003010 Data Element Dictionary for acceptable code values.

| **PO123** | **234** | **Product/Service ID** | **C** | **AN 1/30** |

Identifying number for a product or service

| **PO124** | **235** | **Product/Service ID Qualifier** | **O** | **ID 2/2** |

Code identifying the type/source of the descriptive number used in Product/Service ID (234)

Refer to 003010 Data Element Dictionary for acceptable code values.

| **PO125** | **234** | **Product/Service ID** | **C** | **AN 1/30** |

Identifying number for a product or service

Segment:	**PID** Product/Item Description			
Position:	050			
Loop:	PID	Optional		
Level:	Detail			
Usage:	Optional			
Max Use:	1			
Purpose:	To describe a product or process in coded or free-form format			
Syntax Notes:	1	If PID04 is present, then PID03 is required.		
	2	At least one of PID04 or PID05 is required.		
Semantic Notes:				
Comments:	1	When PID01 is "F", PID04 is not used.		
	2	Use PID03 to indicate the organization that publishes the code list being referred to.		
	3	PID04 should be used for industry-specific product description codes.		
	4	Use PID06 when necessary to refer to the product surface or layer being described in the segment.		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**PID01**	**349**	**Item Description Type**	**M ID 1/1**
			Code indicating the format of a description	
			F Free-form	
Not Used	**PID02**	**750**	**Product/Process Characteristic Code**	**O ID 2/3**
			Code specifying the product or process characteristic being described.	
			Refer to 003010 Data Element Dictionary for acceptable code values.	
Not Used	**PID03**	**559**	**Agency Qualifier Code**	**C ID 2/2**
			Code identifying the agency assigning the code values	
			Refer to 003010 Data Element Dictionary for acceptable code values.	
Not Used	**PID04**	**751**	**Product Description Code**	**C ID 1/12**
			A code from an industry code list which provides specific data about a product characteristic	
	PID05	**352**	**Description**	**C AN 1/80**
			A free-form description to clarify the related data elements and their content	
			1.PID05 can carry an additional free-form description of the commodity or contracted services if necessary. It may also be used for an explanation of a contract condition, in lieu of using the NTE segment. 2. SF 18 Block 12b.	
Not Used	**PID06**	**752**	**Surface/Layer/Position Code**	**O ID 2/2**
			Code indicating the product surface, layer or position that is being described	
			Refer to 003010 Data Element Dictionary for acceptable code values.	

Segment:	**MEA** Measurements
Position:	060
Loop:	PID Optional
Level:	Detail
Usage:	Optional
Max Use:	10
Purpose:	To specify physical measurements, including dimension tolerances, weights and counts.
Syntax Notes:	1 At least one of MEA03 MEA05 MEA06 or MEA08 is required.
	2 If MEA03 is present, then MEA04 is required.
	3 If MEA05 is present, then MEA04 is required.
	4 If MEA06 is present, then MEA04 is required.
	5 If MEA07 is present, then MEA03 is required.
	6 Only one of MEA08 or MEA03 may be present.
Semantic Notes:	
Comments:	1 When citing dimensional tolerances, any measurement requiring a sign (+ or -), or any measurement where a positive (+) value cannot be assumed, use MEA05 as the negative (-) value and MEA06 as the positive (+) value.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes
MEA01	737	**Measurement Reference ID Code**	O ID 2/2
		Code specifying the application of physical measurement cited.	
		1. SF 18 Block 12b.	
		2. Use code CT for variation in quantity; use any applicable code for describing other measurements.	
		CT Counts	
MEA02	738	**Measurement Qualifier**	O ID 1/3
		Code identifying the type of measurement.	
		Use code PO for variation in quantity; other codes as applicable.	
		PO Percent of Order (-, +)	
		Expression of allowable variance of order expressed either as absolute (for example 92% to 110%) or relative percent (for example - 8% to + 10%)	
MEA03	739	**Measurement Value**	C R 1/10
		The value of the measurement	
MEA04	355	**Unit or Basis for Measurement Code**	C ID 2/2
		Code identifying the basic unit of measurement.	
		Use code P1 for variation in quantity; other codes as applicable	
		P1 Percent	
MEA05	740	**Range Minimum**	C R 1/10
		The value specifying the minimum of the measurement range	

			Variation in quantity under.		
	MEA06	**741**	**Range Maximum**	**C**	**R 1/10**
			The value specifying the maximum of the measurement range		
			Variation in quantity over.		
Not Used	**MEA07**	**935**	**Measurement Significance Code**	**O**	**ID 2/2**
			Code used to benchmark, qualify or further define a measurement value		
			Refer to 003010 Data Element Dictionary for acceptable code values.		
Not Used	**MEA08**	**936**	**Measurement Attribute Code**	**C**	**ID 2/2**
			Code used to express an attribute response when a numeric measurement value cannot be determined		
			Refer to 003010 Data Element Dictionary for acceptable code values.		
Not Used	**MEA09**	**752**	**Surface/Layer/Position Code**	**O**	**ID 2/2**
			Code indicating the product surface, layer or position that is being described		
			Refer to 003010 Data Element Dictionary for acceptable code values.		

Segment:	**PWK** Paperwork	
Position:	070	
Loop:	PO1	Mandatory
Level:	Detail	
Usage:	Optional	
Max Use:	25	
Purpose:	To specify the type and transmission of paperwork relating to a product, order or report.	
Syntax Notes:	1	If either PWK05 or PWK06 is present, then the other is required.
Semantic Notes:		
Comments:	1	PWK05 and PWK06 may be used to identify the addressee by a code number.
	2	PWK07 may be used to indicate special information to be shown on the specified report.
	3	PWK08 may be used to indicate action pertaining to a report.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	PWK01	755	**Report Type Code**	M ID 2/2

Code indicating the title and/or contents of a document or report.

Use when additional information will have to accompany the shipment, will have to follow under separate cover, be provided electronically, or provided in the response to the RFQ tranaction set, and the information is applicable to the line item level.

CP	Certificate of Compliance (Material Certification)
MR	Material Inspection and Receiving Report
MS	Material Safety Data Sheet
PD	Proof of Delivery
SN	Shipping Notice

	Ref. Des.	Data Element	Name	Attributes
Must Use	PWK02	756	**Report Transmission Code**	M ID 2/2

Code defining timing and transmission method by which reports are to be sent.

While any code can be used, code EL is preferred when response can be made electronically, using one of the transaction sets specifically designed for the purpose, and made a part of the RFQ system. All paperwork can be satisfied by forwarding the data by mail, when code BM is used.

BM	By Mail
EL	Electronically Only
WS	With Shipment (With Package)

	Ref. Des.	Data Element	Name	Attributes
	PWK03	757	**Report Copies Needed**	O N0 1/2

The number of copies of a report that should be sent to the addressee

	Ref. Des.	Data Element	Name	Attributes
Not Used	PWK04	98	**Entity Identifier Code**	O ID 2/2

Code identifying an organizational entity or a physical location.

Refer to 003010 Data Element Dictionary for acceptable code values.

| Not Used | PWK05 | 66 | **Identification Code Qualifier** | C | ID 1/2 |

Code designating the system/method of code structure used for Identification Code (67)

Refer to 003010 Data Element Dictionary for acceptable code values.

| Not Used | PWK06 | 67 | **Identification Code** | C | ID 2/17 |

Code identifying a party.

| | PWK07 | 352 | **Description** | O | AN 1/80 |

A free-form description to clarify the related data elements and their content

| Not Used | PWK08 | 704 | **Paperwork/Report Action Code** | O | ID 1/2 |

Code specifying how the paperwork or report that is identified in the PWK segment relates to the transaction set or to identify the action that is required

Refer to 003010 Data Element Dictionary for acceptable code values.

Segment:	**PKG** Marking, Packaging, Loading	
Position:	080	
Loop:	PO1 Mandatory	
Level:	Detail	
Usage:	Optional	
Max Use:	200	
Purpose:	To describe marking, packaging, loading, and unloading requirements	
Syntax Notes:	1 If PKG04 is present, then PKG03 is required.	
	2 At least one of PKG04 or PKG05 is required.	
Semantic Notes:		
Comments:	1 Use the MEA (Measurements) Segment to define dimensions, tolerances, weights, counts, physical restrictions, etc.	
	2 When PKG01 is "F", PKG04 is not used.	
	PKG01 relates only to PKG04 and PKG05.	
	3 Use PKG03 to indicate the organization that publishes the code list being referred to.	
	4 PKG04 should be used for industry-specific packaging description codes.	
	5 Special marking or tagging data can be given in PKG05 (description).	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	PKG01	349	**Item Description Type**	M ID 1/1
			Code indicating the format of a description	
			F Free-form	
			S Structured (From Industry Code List)	
	PKG02	753	**Packaging Characteristic Code**	O ID 1/5
			Code specifying the marking, packaging, loading and related characteristics being described	
			1. Use any code.	
			2. Use code 35 for Unitizing; code 36 for pack/preservation; and code 37 for Packing.	
			Refer to 003010 Data Element Dictionary for acceptable code values.	
	PKG03	559	**Agency Qualifier Code**	C ID 2/2
			Code identifying the agency assigning the code values	
			DD Department of Defense	
			Responsible for Military Specification	
	PKG04	754	**Packaging Description Code**	C ID 1/7
			A code from an industry code list which provides specific data about the marking, packaging or loading and unloading of a product	
	PKG05	352	**Description**	C AN 1/80
			A free-form description to clarify the related data elements and their	

content

Segment:	**PO4** Item Physical Details
Position:	090
Loop:	PO1 Mandatory
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify the physical qualities, packaging, weights, and dimensions relating to the item
Syntax Notes:	1 If PO402 is present, then PO403 is required.
	2 If PO405 is present, then at least one of PO406 or PO407 is required.
	3 If PO408 is present, then PO409 is required.
	4 If PO413 is present, then at least one of PO410 PO411 or PO412 is required.
Semantic Notes:	
Comments:	1 PO403 - The "Unit of Measure Code" (Element #355) in this segment position is for purposes of defining the pack (PO401) /size (PO402) measure which indicates the quantity in the inner pack unit. Example: If the carton contains 24 12-Ounce packages, it would be described as follows: Element 356 = 24; Element 357 = 12; Element 355 = OZ.
	2 PO410 defines the unit of measure for PO408, PO409, and PO410.

Data Element Summary

Ref. Des.	Data Element	Name	Attributes	
PO401	356	**Pack**	O	N0 1/6
		Number of inner pack units per outer pack unit		
		SF 18 Block 12b.		
PO402	357	**Size**	O	R 1/8
		Size of supplier units in pack		
PO403	355	**Unit or Basis for Measurement Code**	C	ID 2/2
		Code identifying the basic unit of measurement.		
		Refer to 003010 Data Element Dictionary for acceptable code values.		
PO404	103	**Packaging Code**	O	ID 5/5
		Code identifying the type of packaging; Part 1: Packaging Form, Part 2: Packaging Material		
		These codes are X12 codes. A translation table will be required to convert them to DoD codes, to the extent that the DoD codes differ from the X12 codes.		
		Refer to 003010 Data Element Dictionary for acceptable code values.		
PO405	187	**Weight Qualifier**	O	ID 1/2
		Code defining the type of weight		
		Refer to 003010 Data Element Dictionary for acceptable code values.		
PO406	384	**Gross Weight per Pack**	C	R 1/9
		Numeric value of gross weight per pack		

PO407	**355**	**Unit or Basis for Measurement Code**	**C**	**ID 2/2**

Code identifying the basic unit of measurement.

Refer to 003010 Data Element Dictionary for acceptable code values.

PO408	**385**	**Gross Volume per Pack**	**O**	**R 1/9**

Numeric value of gross volume per pack

PO409	**355**	**Unit or Basis for Measurement Code**	**C**	**ID 2/2**

Code identifying the basic unit of measurement.

Refer to 003010 Data Element Dictionary for acceptable code values.

PO410	**82**	**Length**	**C**	**R 1/8**

Largest horizontal dimension of an object measured when the object is in the upright position

PO411	**189**	**Width**	**C**	**R 1/8**

Shorter measurement of the two horizontal dimensions measured with the object in the upright position

PO412	**65**	**Height**	**C**	**R 1/8**

Vertical dimension of an object measured when the object is in the upright position

PO413	**355**	**Unit or Basis for Measurement Code**	**O**	**ID 2/2**

Code identifying the basic unit of measurement.

Refer to 003010 Data Element Dictionary for acceptable code values.

Segment:	**REF** Reference Numbers	
Position:	100	
Loop:	PO1	Mandatory
Level:	Detail	
Usage:	Optional	
Max Use:	12	
Purpose:	To specify identifying numbers.	
Syntax Notes:	1	At least one of REF02 or REF03 is required.
Semantic Notes:		
Comments:		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	REF01	128	**Reference Number Qualifier**	M ID 2/2

Code qualifying the Reference Number.

1. SF 18 Block 12b.
2. Use any qualifier that identifies the item being described in the RFQ.

Refer to 003010 Data Element Dictionary for acceptable code values.

	Ref. Des.	Data Element	Name	Attributes
	REF02	127	**Reference Number**	C AN 1/30

Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.

	Ref. Des.	Data Element	Name	Attributes
	REF03	352	**Description**	C AN 1/80

A free-form description to clarify the related data elements and their content

| | Segment: | **FOB** F.O.B. Related Instructions |

Segment: **FOB** F.O.B. Related Instructions

Position: 180
Loop: PO1   Mandatory
Level: Detail
Usage: Optional
Max Use: 1
Purpose: To specify transportation instructions relating to shipment
Syntax Notes:
1   If FOB03 is present, then FOB02 is required.
2   If FOB04 is present, then FOB05 is required.
3   If FOB07 is present, then FOB06 is required.
4   If FOB08 is present, then FOB09 is required.
Semantic Notes:
Comments:
1   FOB01 indicates which party will pay the carrier.
2   FOB02 is the code specifying transportation responsibility location.
3   FOB06 is the code specifying title passage location.
4   FOB08 is the code specifying the point at which the risk of loss transfers. This may be different than the location specified in FOB02/FOB03 and FOB06/FOB07.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	FOB01	146	**Shipment Method of Payment**	M ID 2/2

Code identifying payment terms for transportation charges
DF   Defined by Buyer and Seller

| | FOB02 | 309 | **Location Qualifier** | C   ID 1/2 |

Code identifying type of location
Use code ZZ to qualify an "other" FOB point.
DE   Destination (Shipping)
OR   Origin (Shipping Point)
ZZ   Mutually Defined

| | FOB03 | 352 | **Description** | O   AN 1/80 |

A free-form description to clarify the related data elements and their content
When FOB02 is code ZZ, use FOB03 to describe the "other" location.

| Not Used | FOB04 | 334 | **Transportation Terms Qualifier Code** | O   ID 2/2 |

Code identifying the source of the transportation terms
Refer to 003010 Data Element Dictionary for acceptable code values.

| Not Used | FOB05 | 335 | **Transportation Terms Code** | C   ID 3/3 |

Code identifying the trade terms which apply to the shipment transportation responsibility
Refer to 003010 Data Element Dictionary for acceptable code values.

| | FOB06 | 309 | **Location Qualifier** | C   ID 1/2 |

Code identifying type of location

1. Inspection/acceptance point wil be the same unless specified in FOB07.
2. Use code ZZ when the inspection and acceptance points will not be the same.

DE	Destination (Shipping)
OR	Origin (Shipping Point)
ZZ	Mutually Defined

	FOB07	**352**	**Description**	**O**	**AN 1/80**

A free-form description to clarify the related data elements and their content

If FOB06 is code ZZ, identify the location of the inspection and acceptance points.

Not Used	**FOB08**	**54**	**Risk of Loss Qualifier**	**O**	**ID 2/2**

Code specifying where responsibility for risk of loss passes

Refer to 003010 Data Element Dictionary for acceptable code values.

Not Used	**FOB09**	**352**	**Description**	**C**	**AN 1/80**

A free-form description to clarify the related data elements and their content

Segment:	**DTM** Date/time/period	
Position:	200	
Loop:	PO1	Mandatory
Level:	Detail	
Usage:	Optional	
Max Use:	10	
Purpose:	To specify pertinent dates and times	
Syntax Notes:	1 At least one of DTM02 or DTM03 is required.	
Semantic Notes:		
Comments:		
Notes:	*Required delivery date will be provided in this segment as an actual date or in the LDT segment as a set number of calendar days after receipt of order. If the latter is used, omit the segment.*	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**DTM01**	**374**	**Date/Time Qualifier**	**M ID 3/3**

Code specifying type of date or time, or both date and time

Use code 002 for the required delivery date (unless delivery date is defined in segment LDT) and when the delivery applies to the entire line item. Use the SCH segment when deliveries will differ by quantity or date.

	002	Delivery Requested

	DTM02	**373**	**Date**	**C DT 6/6**

Date (YYMMDD)

All dates specified herein employ the bridging (windowing or 49/50 rule) application.

	DTM03	**337**	**Time**	**C TM 4/4**

Time expressed in 24-hour clock time (HHMM) (Time range: 0000 through 2359)

	DTM04	**623**	**Time Code**	**O ID 2/2**

Code identifying the time. In accordance with International Standards Organization standard 8601, time can be specified by a + or - and an indication in hours in relation to Universal Time Coordinate (UTC) time; since + is a restricted character, + and - are substituted by P and M in the codes that follow

If DTM03 is used, DTM04 is REQUIRED.

	CD	Central Daylight Time
	CS	Central Standard Time
	CT	Central Time
	ED	Eastern Daylight Time
	ES	Eastern Standard Time
	ET	Eastern Time

GM	Greenwich Mean Time
LT	Local Time
MD	Mountain Daylight Time
MS	Mountain Standard Time
MT	Mountain Time
PD	Pacific Daylight Time
PS	Pacific Standard Time
PT	Pacific Time

Segment:	**LDT** Lead Time		
Position:	210		
Loop:	PO1	Mandatory	
Level:	Detail		
Usage:	Optional		
Max Use:	12		
Purpose:	To specify lead time for availability of products and services		
Syntax Notes:			
Semantic Notes:			
Comments:	**1** LDT04 is the effective date of lead time information.		
Notes:	*Required delivery date will be provided in this segment as a set number of calendar days after receipt of order, or in the DTM segment as an actual date. If the DTM segment is used, omit this segment.*		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	LDT01	345	**Lead Time Code**	M ID 2/2
			Code indicating the time range	
			AF From date of PO receipt to delivery	
Must Use	LDT02	380	**Quantity**	M R 1/10
			Numeric value of quantity	
Must Use	LDT03	344	**Unit of Time Period or Interval**	M ID 2/2
			Code indicating the time period or interval	
			DA Calendar Days	
Not Used	LDT04	373	**Date**	O DT 6/6
			Date (YYMMDD)	

Segment:		**SCH** Line Item Schedule			
Position:		220			
Loop:		PO1	Mandatory		
Level:		Detail			
Usage:		Optional			
Max Use:		104			
Purpose:		To specify the data for scheduling a specific line-item			
Syntax Notes:		1	If SCH03 is present, then SCH04 is required.		
		2	If SCH09 is present, then SCH08 is required.		
Semantic Notes:					
Comments:		1	SCH05 specifies the interpretation to be used for SCH06 and SCH07.		
Notes:		*Use to describe a partial delivery at the line item level.*			

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	**SCH01**	**380**	**Quantity**	**M**	**R 1/10**
			Numeric value of quantity		
Must Use	**SCH02**	**355**	**Unit or Basis for Measurement Code**	**M**	**ID 2/2**
			Code identifying the basic unit of measurement.		
			Refer to 003010 Data Element Dictionary for acceptable code values.		
Not Used	**SCH03**	**98**	**Entity Identifier Code**	**O**	**ID 2/2**
			Code identifying an organizational entity or a physical location.		
			Refer to 003010 Data Element Dictionary for acceptable code values.		
Not Used	**SCH04**	**93**	**Name**	**C**	**AN 1/35**
			Free-form name		
Must Use	**SCH05**	**374**	**Date/Time Qualifier**	**M**	**ID 3/3**
			Code specifying type of date or time, or both date and time		
			1. SF 18 Block 6.		
			2. The required delivery date.		
			002 Delivery Requested		
Must Use	**SCH06**	**373**	**Date**	**M**	**DT 6/6**
			Date (YYMMDD)		
			All dates specified herein employ the bridging (windowing or 49/50 rule) application.		
Not Used	**SCH07**	**337**	**Time**	**O**	**TM 4/4**
			Time expressed in 24-hour clock time (HHMM) (Time range: 0000 through 2359)		
Not Used	**SCH08**	**374**	**Date/Time Qualifier**	**C**	**ID 3/3**
			Code specifying type of date or time, or both date and time		
			Refer to 003010 Data Element Dictionary for acceptable code values.		
Not Used	**SCH09**	**373**	**Date**	**O**	**DT 6/6**

Date (YYMMDD)

Not Used   SCH10   337   Time   O   TM 4/4

Time expressed in 24-hour clock time (HHMM) (Time range: 0000 through 2359)

Segment:	**MAN** Marks and Numbers	
Position:	280	
Loop:	PO1	Mandatory
Level:	Detail	
Usage:	Optional	
Max Use:	10	
Purpose:	To indicate identifying marks and numbers for shipping containers	
Syntax Notes:		
Semantic Notes:		
Comments:		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	MAN01	88	**Marks and Numbers Qualifier**	M ID 1/2
			Code specifying the application or source of Marks and Numbers (87)	
			Refer to 003010 Data Element Dictionary for acceptable code values.	
Must Use	MAN02	87	**Marks and Numbers**	M AN 1/45
			Marks and numbers used to identify a shipment or parts of a shipment	

Segment:	**N9** Reference Number	
Position:	320	
Loop:	N9	Optional
Level:	Detail	
Usage:	Optional	
Max Use:	1	
Purpose:	To transmit identifying numbers and descriptive information as specified by the reference number qualifier	
Syntax Notes:	1 At least one of N902 or N903 is required.	
Semantic Notes:		
Comments:		

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes	
Must Use	N901	128	**Reference Number Qualifier**	M	ID 2/2
			Code qualifying the Reference Number.		
			1. When N901 is code CJ, carry the clause number in N902.		
			2. If the clause source is other than the FAR, indicate the source in N903.		
			CJ Clause Number		
	N902	127	**Reference Number**	C	AN 1/30
			Reference number or identification number as defined for a particular Transaction Set, or as specified by the Reference Number Qualifier.		
	N903	369	**Free-form Description**	C	AN 1/45
			Free-form descriptive text		
Not Used	N904	373	**Date**	O	DT 6/6
			Date (YYMMDD)		
Not Used	N905	337	**Time**	O	TM 4/4
			Time expressed in 24-hour clock time (HHMM) (Time range: 0000 through 2359)		

Segment:	**N1** Name	
Position:	340	
Loop:	N1	Optional
Level:	Detail	
Usage:	Optional	
Max Use:	1	
Purpose:	To identify a party by type of organization, name, and code	
Syntax Notes:	1	At least one of N102 or N103 is required.
	2	If either N103 or N104 is present, then the other is required.
Semantic Notes:		
Comments:	1	This segment, used alone, provides the most efficient method of providing organizational identification. To obtain this efficiency the "ID Code" (N104) must provide a key to the table maintained by the transaction processing party.
Notes:	*Addresses are typically defined using N101, N103, and N104. N102 and N2 - N4 should be used when the ship to addressee cannot be described with a zip code.*	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	N101	98	**Entity Identifier Code**	**M ID 2/2**
			Code identifying an organizational entity or a physical location.	
			ST Ship To	
	N102	93	**Name**	**C AN 1/35**
			Free-form name	
	N103	66	**Identification Code Qualifier**	**C ID 1/2**
			Code designating the system/method of code structure used for Identification Code (67)	
			16 ZIP Code	
	N104	67	**Identification Code**	**C ID 2/17**
			Code identifying a party.	

Segment:	**N2** Additional Name Information		
Position:	350		
Loop:	N1	Optional	
Level:	Detail		
Usage:	Optional		
Max Use:	2		
Purpose:	To specify additional names or those longer than 35 characters in length		
Syntax Notes:			
Semantic Notes:			
Comments:			

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	N201	93	**Name**	**M AN 1/35**
			Free-form name	
	N202	93	**Name**	**O AN 1/35**
			Free-form name	

Segment:	**N3** Address Information		
Position:	360		
Loop:	N1	Optional	
Level:	Detail		
Usage:	Optional		
Max Use:	2		
Purpose:	To specify the location of the named party		
Syntax Notes:			
Semantic Notes:			
Comments:			

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	N301	166	**Address Information**	M AN 1/35
			Address information	
	N302	166	**Address Information**	O AN 1/35
			Address information	

Segment:	**N4** Geographic Location
Position:	370
Loop:	N1 Optional
Level:	Detail
Usage:	Optional
Max Use:	1
Purpose:	To specify the geographic place of the named party
Syntax Notes:	1 At least one of N401 or N405 is required.
	2 If N401 is present, then N402 is required.
	3 If either N405 or N406 is present, then the other is required.
Semantic Notes:	
Comments:	1 A combination of either N401 through N404, or N405 and N406 may be adequate to specify a location.
	2 N402 is required only if city name (N401) is in the USA or Canada.

Data Element Summary

Ref. Des.	Data Element	Name		Attributes
N401	**19**	**City Name**	**C**	**AN 2/19**
		Free-form text for city name		
N402	**156**	**State or Province Code**	**C**	**ID 2/2**
		Code (Standard State/Province) as defined by appropriate government agency		
N403	**116**	**Postal Code**	**O**	**ID 4/9**
		Code defining international postal zone code excluding punctuation and blanks (zip code for United States)		
		Use only when the "ship to" address has no zip code but may have another type of postal code (e.g. in a foreign country).		
N404	**26**	**Country Code**	**O**	**ID 2/2**
		Code identifying the country		
		A translation table will be required to convert those standard codes used by the DoD, as contained in DoD Manual 5000.12-M, to those used in the X12 standards.		
Not Used	**N405**	**309**	**Location Qualifier**	**C**	**ID 1/2**
		Code identifying type of location		
		Refer to 003010 Data Element Dictionary for acceptable code values.		
Not Used	**N406**	**310**	**Location Identifier**	**C**	**AN 1/25**
		Code which identifies a specific location		

Segment:	**CTT** Transaction Totals		
Position:	010		
Loop:			
Level:	Summary		
Usage:	Mandatory		
Max Use:	1		
Purpose:	To transmit a hash total for a specific element in the transaction set		
Syntax Notes:	1	If CTT03 is present, then CTT04 is required.	
	2	If CTT05 is present, then CTT06 is required.	
Semantic Notes:			
Comments:	1	This segment is intended to provide hash totals to validate transaction completeness and correctness.	

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	**CTT01**	**354**	**Number of Line Items**	**M N0 1/6**
			Total number of line items in the transaction set	
			Total Number of PO1 segments.	
Not Used	**CTT02**	**347**	**Hash Total**	**O R 1/10**
			Sum of values of the specified data element. All values in the data element will be summed without regard to decimal points (explicit or implicit) or signs. Truncation will occur on the left most digits if the sum is greater than the maximum size of the hash total of the data element.	
			Example:	
			-.0018 First occurrence of value being hashed. .18 Second occurrence of value being hashed. 1.8 Third occurrence of value being hashed. 18.01 Fourth occurrence of value being hashed. ------- 1855 Hash total prior to truncation. 855 Hash total after truncation to three-digit field.	
Not Used	**CTT03**	**81**	**Weight**	**O R 1/8**
			Numeric value of weight	
Not Used	**CTT04**	**355**	**Unit or Basis for Measurement Code**	**C ID 2/2**
			Code identifying the basic unit of measurement.	
			Refer to 003010 Data Element Dictionary for acceptable code values.	
Not Used	**CTT05**	**183**	**Volume**	**O R 1/8**
			Value of volumetric measure	
Not Used	**CTT06**	**355**	**Unit or Basis for Measurement Code**	**C ID 2/2**
			Code identifying the basic unit of measurement.	
			Refer to 003010 Data Element Dictionary for acceptable code values.	
Not Used	**CTT07**	**352**	**Description**	**O AN 1/80**
			A free-form description to clarify the related data elements and their	

content

Segment:	**SE** **Transaction Set Trailer**
Position:	020
Loop:	
Level:	Summary
Usage:	Mandatory
Max Use:	1
Purpose:	To indicate the end of the transaction set and provide the count of the transmitted segments (including the beginning (ST) and ending (SE) segments).
Syntax Notes:	
Semantic Notes:	
Comments:	**1** SE is the last segment of each transaction set.

Data Element Summary

	Ref. Des.	Data Element	Name	Attributes
Must Use	SE01	96	**Number of Included Segments**	**M N0 1/6**
			Total number of segments included in a transaction set including ST and SE segments	
Must Use	SE02	329	**Transaction Set Control Number**	**M AN 4/9**
			Identifying control number assigned by the originator for a transaction set.	
			This is the same number as the one in ST02.	